

Title (en)
CONTROL CLOSED-LOOP DEVICE AND SIGMA-DELTA MODULATOR

Title (de)
REGELSCHLEIFENEINRICHTUNG UND SIGMA-DELTA-MODULATOR

Title (fr)
DISPOSITIF DE BOUCLE FERMEE D'ASSERVISSEMENT ET MODULATEUR SIGMA-DELTA

Publication
EP 2097982 A1 20090909 (FR)

Application
EP 07821924 A 20071026

Priority
• EP 2007061564 W 20071026
• FR 0609560 A 20061031

Abstract (en)
[origin: FR2907987A1] The device has a summing element (15) summing a compensation noise to an analog input signal (e) of a control loop in a sigma-delta modulator based on a reference voltage of a current source that supplies an analog-to-digital converter (11). The compensation noise is equal to the input signal that is multiplied by a multiplicative noise of the converter. A differential amplifier generates the compensation noise and receives an input voltage of the loop. An independent claim is also included for a sigma-delta modulator for converting an input analog signal to an output digital signal.

IPC 8 full level
H03M 3/02 (2006.01); **G05B 11/01** (2006.01); **H03M 1/08** (2006.01)

CPC (source: EP US)
H03M 3/388 (2013.01 - EP US); **H03M 3/424** (2013.01 - EP US)

Citation (search report)
See references of WO 2008052948A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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